

## **Fortified Breakfast Cereal**

Art. ID	NIST-3233
Unit	60 g
Deliverydetails	No Dangerous Good /not restricted

### Description

This Standard Reference Material (SRM®) is intended primarily for validation of methods for determining proximates, sugars, dietary fiber, vitamins, elements, and amino acids in fortified breakfast cereals and similar materials. This SRM can also be used for quality assurance when assigning values to in-house reference materials. The SRM is a wheat-based fortified breakfast cereal prepared by a commercial manufacturer. A unit of NIST-3233 consists of one bottle containing approximately 60 g of material and sealed inside an aluminized pouch. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Dry-Mass Basis, Coverag e Factor, k: 2	Barium (Ba)	[7440-39-3]	2,766 ± 0,033	mg/kg		
Dry-Mass Basis, Coverag e Factor, k: 2,15	Cadmium (Cd)	[7440-43-9]	0,0819 ± 0,0020	mg/kg		
Dry-Mass Basis, Coverag e Factor, k: 2	Calcium (Ca)	[7440-70-2]	36910 ± 920	mg/kg		
Dry-Mass Basis, Coverag e Factor, k: 2	Copper (Cu)	[7440-50-8]	3,97 ± 0,28	mg/kg		
Dry-Mass Basis, Coverag e Factor, k: 2	Iron (Fe)	[7439-89-6]	766 ± 36	mg/kg		
Dry-Mass Basis, Coverag e Factor, k: 2	Magnesium (Mg)	[7439-95-4]	1093 ± 37	mg/kg		
Dry-Mass Basis, Coverag e Factor, k: 2	Manganese (Mn)	[7439-96-5]	33,1 ± 1,1	mg/kg		
Dry-Mass Basis, Coverag e Factor, k: 2	Phosphorus (P)	[7723-14-0]	2592 ± 68	mg/kg		
Dry-Mass Basis, Coverag e Factor, k: 2	Potassium (K)	[7440-09-7]	3060 ± 140	mg/kg		
Dry-Mass Basis, Coverag e Factor, k: 2	Sodium (Na)	[7440-23-5]	6830 ± 120	mg/kg		
Dry-Mass Basis, Coverag e Factor, k: 2	Strontium (Sr)	[7440-24-6]	8,34 ± 0,17	mg/kg		
Dry-Mass Basis, Coverag e Factor, k: 2	Zinc (Zn)	[7440-66-6]	628 ± 16	mg/kg		
Dry-Mass Basis, Coverag e Factor, k: 2	Thiamine (Vitamin B1)	[59-43-8]	60.2 ± 9.4	mg/kg		

Dry-Mass Basis, Coverage Factor, k: 2	Riboflavin (Vitamin B2)	[83-88-5]	76 ± 2	mg/kg
Dry-Mass Basis, Coverage Factor, k: 2	Niacinamide	[98-92-0]	799 ± 27	mg/kg
Dry-Mass Basis, Coverage Factor, k: 2	Total Vitamin B3 as Niacinamide	[98-92-0]	822 ± 39	mg/kg
Dry-Mass Basis, Coverage Factor, k: 2	Pantothenic acid		540 ± 40	mg/kg
Dry-Mass Basis, Coverage Factor, k: 2	Pyridoxine	[65-23-6]	78,0 ± 4,7	mg/kg
Dry-Mass Basis, Coverage Factor, k: 2	Total Vitamin B6 as Pyridoxine		81,9 ± 9,0	mg/kg
Dry-Mass Basis, Coverage Factor, k: 2	Folic acid	[59-30-3]	15.1 ± 1.2	mg/kg
Dry-Mass Basis, Coverage Factor, k: 2	Total alpha-Tocopherol (Vitamin E)	[10191-41-0]	1350 ± 220	mg/kg